

In vitro effects of YAP1-targeting drugs

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An abbreviated version of this protocol was published in Science Advances in Mar 2020

YAP1 is a potent driver of the onset and progression of oral squamous cell carcinoma

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Detailed protocol

1. Seed HSC-4 cells (1×10^4 cells/well) onto 24-well plates.
HSC-4 cell: JCRB0624
Medium: DMEM/Ham's F12 medium (1:1) supplemented by 10% FCS.
2. Add chemicals as listed below (or DMSO as vehicle control) to the medium.
3. Culture the cells at 37°C in CO2 incubator for the indicated period.
4. After the incubation for 1, 2, 3 day(s), cell were trypsinized and counted on a conventional hemacytometer.

Chemicals:

Chemical	Company	Catalog Number	Stock solution concentration	Solvent	Final concentraion
Dasatinib	Abcam	ab142050	5 mM	DMSO	5 μ M
Verteporfin	USP	1711461	5 mM	DMSO	5 μ M
Simvastatin	TCI	S0509	5 mM	DMSO	5 μ M

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Maehama, T., Suzuki, A. and Omori, H. (2020). In vitro effects of YAP1-targeting drugs. Bio-protocol Preprint. bio-protocol.org/prep408.
2. Omori, H., Nishio, M., Masuda, M., Miyachi, Y., Ueda, F., Nakano, T., Sato, K., Mimori, K., Taguchi, K., Hikasa, H., Nishina, H., Tashiro, H., Kiyono, T., Mak, T. W., Nakao, K., Nakagawa, T., Maehama, T. and Suzuki, A. (2020). YAP1 is a potent driver of the onset and progression of oral squamous cell carcinoma. Science Advances 6(12). DOI: [10.1126/sciadv.aay3324](https://doi.org/10.1126/sciadv.aay3324)

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